Science Studies

- Review of <u>Source & DIASource table columns</u> - RFC/LCR to come shortly

- Advanced on Data Products related to Detection efficiencies for Difference Images (<u>DM-1930</u>): <u>dmtn-231.lsst.io</u>

- Addressed and resolved many remaining open topics on Special Programs concerning, in most cases no additional changes are needed. Few remaining issues to be resolved

Verification, Validation, Characterization

- Completed the middleware Gen-3 acceptance test campaign, verified 75 MW requirements, just over half of all MW requirements (LDM-GEN3/DM-27337)

- LDM-503-RSPa (Science Platform ready for DP0.2) - test plan in place for image and catalog data products - mapped to formal requirements.

- Continued developing faro, running on data from AuxTel imaging surveys

DPDD / Requirements / Documentation

- Revised requirements / issues on availability of lossy compressed images. Will raise AP image availability gap to PST. DMTN ni progress

- Faint DIASource measurement (DMS-REQ-027): measure and alert on a limited number of sources detected below transSNR – DMTN-228

- Reviewed Image services for DP0.2 – minimum goal for day 1 of DP0.2 is full access to calexps, diffims, and coadds,

- Proposed and studied possibility for Alert Distribution handover to Ops & Descoping the AFS - DMTN-226 in preparation

- Started a review of Networking requirements with Josh Hoblitt, RFC-855

- Completion of DAX/RSP capabilities review – UG databases

Community Interactions

- PST Science Collaboration Chairs talk on the Rubin Science Platform

- Interaction with SLSC on their needs for to detect lensed kilonova counterparts to lensed NS-NS mergers - triggered work on Fain DIASource detection requirement

- SC liaisons program continues.

- Pre-ops CET continues to pick up a lot of the community focused work.

Science Studies

- Complete resolution of a few remaining issue on implications of special programs

- CalibPalooza - a 2-day workshop on calibration strategy. **Goal**: define and document the full end-to-end strategy for LSST calibration, from ISR through global astrometric and photometric calibrations . **Workshop outcome**: initial draft of the construction calibration paper that defines the full LSST end-to-end calibration strategy. 2022-08-25/26 #rubinobs-calibpalooza

Verification, Validation, Characterization

- Planning to conduct an acceptance test campaign using DP0.2 processed data to verify a many DMSR requirements as possible. Focus on P1a but the campaign will include all functionality delivered to date that can be verified

- LDM-503-RSPa (Science Platform ready for DP0.2)

- Network test plan - continue working with Josh, execution will be at least a year away

DPDD / Requirements / Documentation

- Focus on addressing all outstanding DPDD tickets and to clarify the use of the construction DPDD with the DP/DR specific DPDDs. DM-22078: Reconciling the DPDD with the required information for pipeline QA.

- Continue requirements review (started with networking) & revision of priorities.

- DMTN-228 proposal for faint DIASource detection

- Complete definition and flowdown of requirements on compressed PVIs

- Develop plans with ANTARES for the AFS

Community Interactions

- LSST@Europe 2022 preparation

- SC liaisons program continues.

- "PZ Commissioning Team" has been identified and will be set up to work at IDF,

- Informal round-table with the brokers to understand their needs, and provide more information about the services and capabilities of the Rubin Science Platform (RSP).

- Pre-ops CET continues to pick up a lot of the community focused work, in particular DP0.2.